In the Claims:

The following listing reflects amendments to the claims and replaces all prior versions and listings of claims in this application.

1. (Cancelled)

2. (Currently amended) ~~A~~ An isolated nucleic acid molecule which encodes a protein ~~according to claim 1~~ comprising an amino acid sequence selected from the group consisting of SEQ IDs 1, 4 and 6.

3. (Original) A nucleic acid molecule according to claim 2, comprising a nucleotide sequence selected from the group consisting of SEQ IDs 1, 3, and 5.

4. (Currently amended) ~~A~~ An isolated protein comprising an amino acid sequence selected from the group consisting of SEQ IDs ~~2, 4, 6,~~ 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, and 90.

5. (Currently amended) ~~A~~ An isolated protein having 50% or greater sequence identity to a protein ~~according to claim 4~~ comprising the contiguous sequence of amino acids of an amino acid sequence selected from the group consisting of SEQ IDs 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, and 90.

6. (Currently amended) ~~A~~ An isolated protein comprising ~~a~~ an immunogenic fragment of at least 10 consecutive amino acids of an amino acid sequence selected from

the group consisting of SEQ IDs ~~2, 4, 6,~~ 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, and 90.

7. (Original) An antibody which binds to a protein according to any one of claims 4 to 6.

8. (Currently amended) ~~A~~ An isolated nucleic acid molecule which encodes a protein according to any one of claims 4 to 6.

9. (Original) A nucleic acid molecule according to claim 8, comprising a nucleotide sequence selected from the group consisting of SEQ IDs 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, and 89.

10. (Currently amended) ~~A~~ An isolated nucleic acid molecule comprising a fragment of a nucleotide sequence selected from the group consisting of SEQ IDs 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, and 89.

11. (Currently amended) A nucleic acid molecule comprising a nucleotide sequence complementary to a nucleic acid molecule according to ~~any one of claims~~ claim 8 ~~to 10~~.

12. (Currently amended) ~~A~~ An isolated nucleic acid molecule comprising a nucleotide ~~sequences~~ sequence having 50% or greater sequence identity to a nucleic acid molecule ~~according to any one of claims 8 to 11~~ comprising a nucleotide sequence

selected from the group consisting of SEQ IDs 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, and 89.

13. (Currently amended) ~~A~~ An isolated nucleic acid molecule which can hybridise to a nucleic acid molecule according to ~~any one of claims~~ claim 8 ~~to 12~~ under high stringency conditions.

14. (Currently amended) A composition comprising a protein~~, a nucleic acid molecule, or an antibody~~ according to any ~~preceding claim~~ one of claims 4 to 6.

15-17 (Cancelled).